SHERIDAN WYOMING VAMC

1898 FORT ROAD; BUILDING 42
SHERIDAN, WYOMING
PROJECT #666-310
E85 FUELING STATION

1 CG101 VICINITY MAP
SCALE: 1" = 500'

0' 500' 1000'

INDEX:

FINALIZED DESIGN DEVELOPMENT - FOR CONSTRUCTION

Revisions:	Date
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

CONSULTANTS:

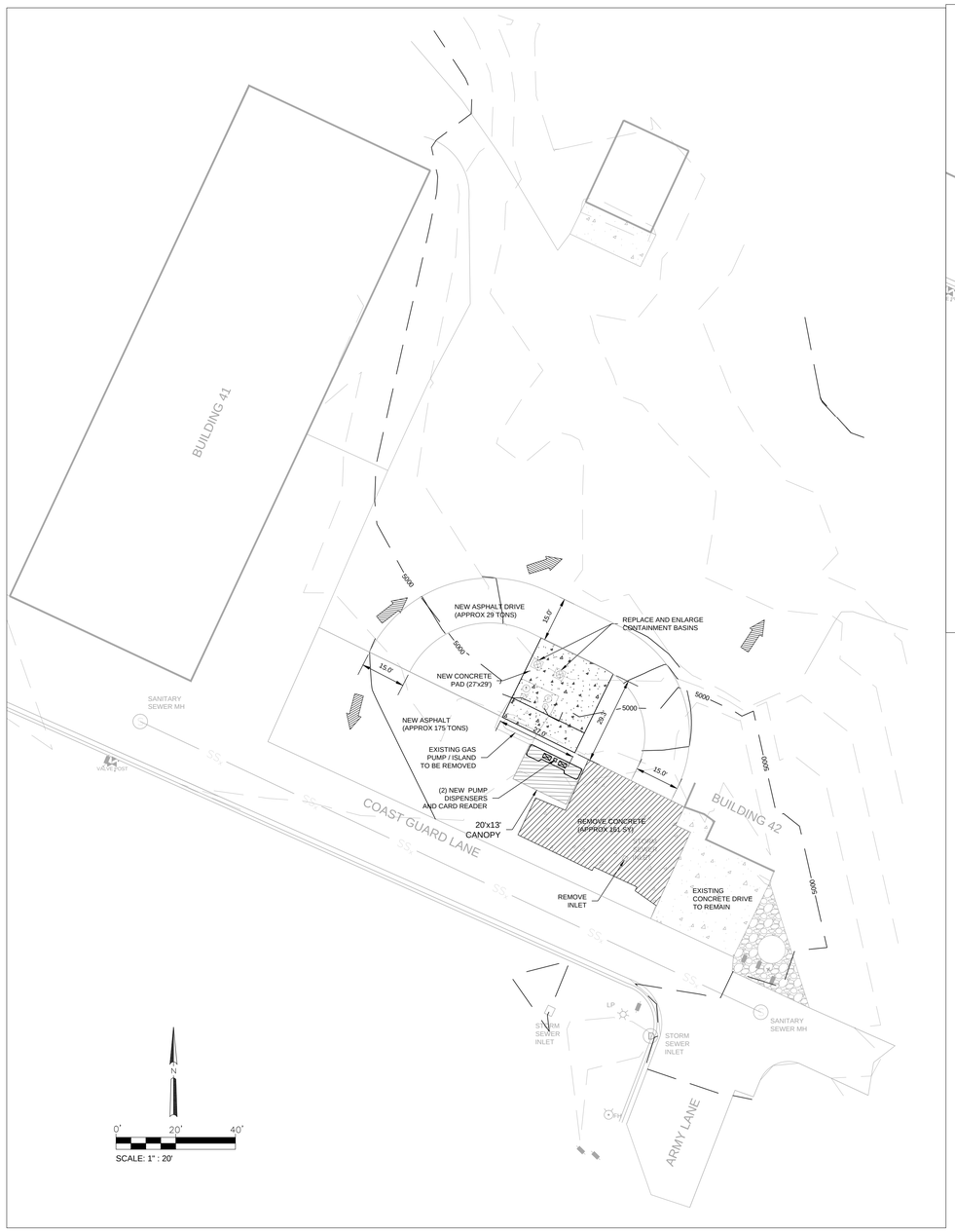
COLORADO REGISTERED JAMES F. MARINE 38484 08OCT13 PROFESSIONAL ENGINEER

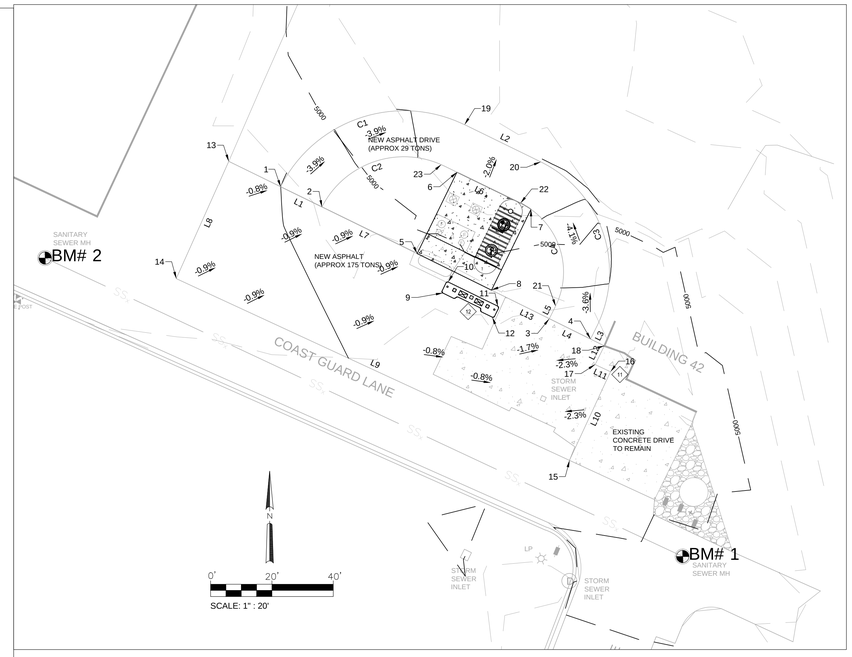
ARCHITECT/ENGINEERS:

Aegis Engineering, Inc.
A Veteran Owned Small Business
10940 South Parker Road
Ste: 199
Parker, Colorado
80134
(720)259-0749

Drawing Title	COVERSHEET – –
Approved: Project Director	– – VAPAHCS PLANNING AND ENGINEERING
Project Title	E85 FUELING STATION – –
Location	VAMC SHERIDAN WY
Date	10 OCT 13
Checked	HALL
Drawn	MARINE
Project Number	666-310
Building Number	42
Drawing Number	CG101 Dwg.1 of 9

Office of Construction and Facilities Management





2 CP101 **SITE PLAN** SCALE: 1" = 20'

GENERAL NOTES:

1. EXISTING FUELING STATION TO BE OPERABLE DURING CONSTRUCTION.
2. TANK VENT LINE SHALL EXTEND A MINIMUM OF 3'-0" ABOVE CANOPY.
3. FUEL DISPENSERS SHALL BE WAYNE G5200 UNITS (OR EQUAL WITH E85 OPTION FOR ONE DISPENSER. COLOR SHALL BE THE STANDARD OPTION BLUE.
4. ENSURE CARD READER OPERATES WITH EXISTING GSA CHARGE CARD AND HAS SIMILAR KEY IN FUNCTIONS AS EXISTING SYSTEM. PETROVEND K800 FUEL CONTROL SYSTEM (OR EQUIVALENT). MAY REUSE EXISTING CARD READER IF COMPATIBLE WITH 3 DISPENSING UNITS.
5. PROVIDE POSITIVE DRAINAGE AWAY FROM DISPENSER ISLAND.

#

NOTES:

1. 3" DIAMETER SECURITY CAMERA CONDUIT. COORDINATE TERMINATION POINT IN BUILDING 42 WITH VA SECURITY.
2. 3" DIAMETER POWER SUPPLY CONDUIT.
3. 2" DISPENSER SUPPLY PIPING.
4. ¾" DIAMETER SENSOR, VEEDER ROOT CONDUIT. COORDINATE TERMINATION POINT IN BUILDING 42 WITH VA SECURITY.
5. 5,000 GALLON DOUBLE WALLED FIBERGLASS UNDERGROUND STORAGE TANK
6. TANK VENTING LINE
7. TANK VENTING RISER
8. 8" THICK CONCRETE SLAB
9. ELECTRICAL SERVICE PANEL
10. TANK VENTING LINE TO CONNECT TO EXISTING UNLEADED FUEL TANK
11. PTZ SECURITY CAMERA. AXIS MODEL P5534-E
12. PTZ SECURITY CAMERA, AXIS MODEL P13 (FIXED BELOW FUEL CANOPY)

PROJECT BENCHMARKS:

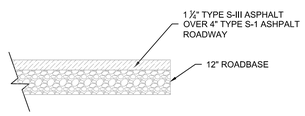
1. BENCHMARK #1 (BM#1) IS THE TOP OF EXISTING SANITARY MANHOLE:
   N= 9982.75
   E= 10063.95
   ELEVATION= 4999.74
2. BENCHMARK #2 (BM#2) IS THE TOP OF EXISTING SANITARY MANHOLE:
   N= 10080.10
   E= 9856.09
   ELEVATION= 5001.51

LINE TABLE		
LINE #	LENGTH (ft.)	DIRECTION
L1	15.00	N63° 53' 28.92"W
L2	27.63	S63° 56' 51.80"E
L3	4.59	S26° 20' 16.20"W
L4	15.00	N63° 39' 43.80"W
L5	4.59	N26° 20' 16.20"E
L6	27.62	N64° 00' 27.64"W
L7	100.46	N63° 53' 28.92"W
L8	41.89	S24° 07' 43.61"W
L9	141.25	S65° 11' 27.47"E
L10	31.85	N24° 47' 47.46"E
L11	5.54	N64° 57' 38.01"W
L12	6.78	N26° 20' 16.20"E
L13	35.95	N63° 39' 43.80"W

POINT TABLE				
Point #	Elevation	Northing	Easting	Description
1	5001.00	10103.31	9932.87	EOA
2	5000.88	10096.73	9946.31	EOA
3	5000.35	10060.32	10020.46	EOA
4	5000.65	10053.67	10033.90	EOA
5	5000.66	10081.54	9977.36	EOC
6	4998.61	10108.10	9990.34	EOC
7	4998.80	10095.97	10014.46	EOC
8	5000.49	10069.64	10001.59	EOC
9	5000.65	10068.69	9985.72	ISLAND
10	5000.65	10072.28	9987.47	ISLAND
11	5000.65	10064.38	10003.65	ISLAND
12	5000.65	10060.79	10001.89	ISLAND

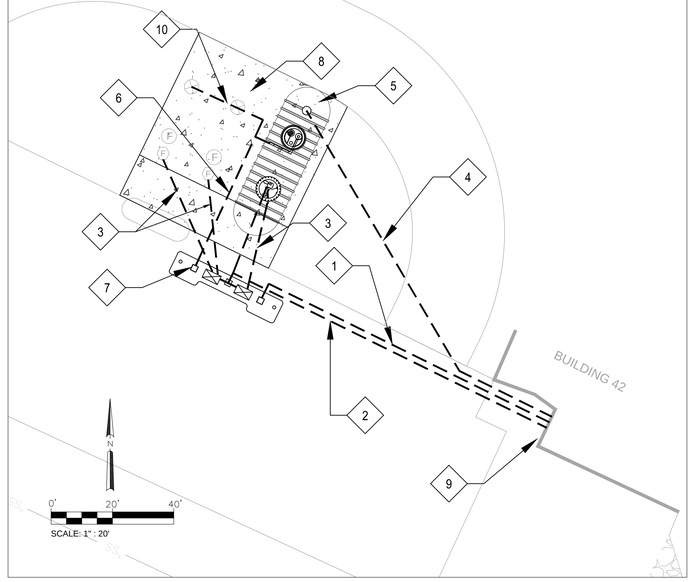
POINT TABLE				
Point #	Elevation	Northing	Easting	Description
13	5001.11	10111.61	9915.95	EOA
14	5001.34	10073.38	9898.82	EOA
15	5000.41	10014.11	10027.04	EOA
16	5000.91	10043.02	10040.40	EOA
17	5000.71	10045.37	10035.37	EOA
18	5000.97	10051.45	10038.38	EOA
19	4998.30	10123.59	9992.83	EOA
20	4998.35	10111.46	10017.65	EOA
21	5000.25	10064.43	10022.49	EOA
22	4998.65	10097.98	10011.06	EOA
23	4998.60	10110.59	9985.24	EOA

CURVE TABLE					
CURVE #	LENGTH (ft.)	RADIUS (ft.)	DELTA	CHORD DIRECTION	CHORD LENGTH (ft.)
C1	70.20	45.00	89.38	S71° 20' 51"W	63.29
C2	46.66	30.00	89.10	S71° 29' 05"W	42.09
C3	63.03	40.00	90.29	N18° 48' 18"W	56.71
C4	39.39	25.00	90.29	N18° 48' 18"W	35.44



3 CP101 **PAVING SECTION** SCALE: N.T.S.

1 CP101 **GRADING PLAN** SCALE: 1" = 20'



3 CP101 **CONDUIT PLAN** SCALE: 1" = 10'

FINALIZED DESIGN DEVELOPMENT - FOR CONSTRUCTION

Revisions:	Date
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

CONSULTANTS:

COLORADO REGISTERED JAMES F. MARINE 38484 08OCT13 PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

Aegis Engineering, Inc.
A Veteran Owned Small Business
10940 South Parker Road
Ste: 199
Parker, Colorado
80134
(720)259-0749

Drawing Title: GRADING SITE PLAN –

Approved Project Director: – – VAPAHCS PLANNING AND ENGINEERING

Project Title: E85 FUELING STATION – –

Location: VAMC SHERIDAN WY

Date: 10 OCT 13 | Checked: HALL | Drawn: MARINE

Project Number: 666-310

Building Number: 42

Drawing Number: CP101

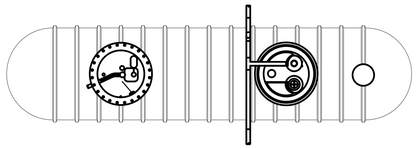
Dwg. 2 of 9

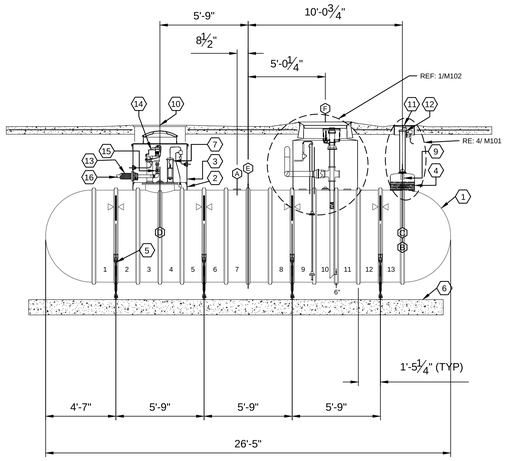
Office of Construction and Facilities Management

VA FORM 08-6231

C:\SHARED\VISN 19\SHERIDAN FUELING STA\CIVIL\9-25-13 SHERIDAN E85 CIVIL_recover000.dwg 10-24-13 02:23:52 PM user

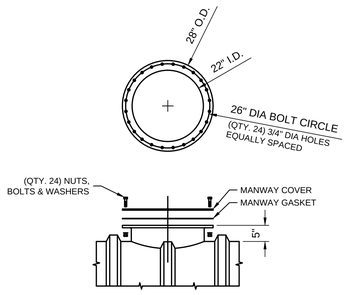
one inch = one foot | three quarters inch = one foot | one half inch = one foot | three eighths inch = one foot | one quarter inch = one foot | three sixteenths inch = one foot | one eighth inch = one foot





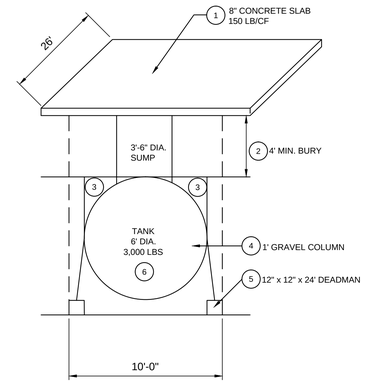
ITEM	QTY	DESCRIPTION
A	3	4" NPT SERVICE FITTING WITH 12"x12" STRIKER PLATE
B	1	4" NPT MONITOR FITTING
C	1	18" DIA. HYDROSTATIC MONITORING RESERVOIR WITH 4" NPT FITTING
D	1	22" DIA. MANWAY WITH 3-4" NPT FITTINGS IN COVER & 4-12"x12" STRIKER PLATES
E	1	LIFTING LUG
F	1	42" DIA. ATTACHED COLLAR
⋈	4	HOLD DOWN STRAP LOCATION
1	1	5,000 GALLON DOUBLE WALL FIBERGLASS STORAGE TANK
2	1	42" FIBERGLASS ATTACHED COLLAR
3	1	42" WATERTIGHT FIBERGLASS ATTACHED COLLAR RISER
4	1	HYDROSTATIC MONITORING SYSTEM
5	4	FIBERGLASS HOLD DOWN STRAP W/ TURNBUCKLE ASSY.
6	4	PRECAST DEADMAN SYSTEM
7	1	LEVEL PROBE
9	1	HYDROSTATIC MONITORING SENSOR
10	1	LARGE ROUND MANHOLE
11	1	MONITORING MANHOLE
12	1	4" SENSOR CAP
13	1	FLEXIBLE ENTRY BOOT(S)
14	1	SUBMERSIBLE TURBINE PUMP
15	1	FULL PORT BALL VALVE
16		DOUBLE WALL PRODUCT SUPPLY PIPING

1 CU501 DOUBLE WALL, PRESSURIZED PIPING STAGE I VAPOR RECOVERY
SCALE:N.T.S.



22" MANWAYS ARE CENTERED ON A RIB.

2 CU501 DOUBLE WALL, PRESSURIZED PIPING STAGE I VAPOR RECOVERY
SCALE:N.T.S.



TOTAL HOLD DOWN: 204,610 LBS = 2.86 FACTOR OF SAFETY
TOTAL TANK UPLIFT: 71,573 LBS

BUOYANCY CALCULATION (5,000 GAL. TANK)

CALCULATION BASED ON SUBMERGED WEIGHT OF MATERIALS (WATER TABLE AT GRADE): TANK WITH SPHERICAL ENDS, 6.33' O.A. (6' NOMINAL) TANK LENGTH 26'-5"
TANK DIAMETER 6'-0"

TRY (2) 12'-0" DEADMAN, EACH SIDE, 12" WIDE x 12" HIGH

EMPTY TANK UPLIFT = 5,000 GAL / 7.48 GAL/CF = 668 CU FT
668 CU FT x 62.4 LBS/CF = 41,683 LBS (DISPLACED WATER)

TANK SUMP UPLIFT = (2) x 3.14 x 1.75² x 4' = 77 CU FT
77 CU FT x 62.4 LBS/CF = 4,805 LBS (DISPLACED WATER)

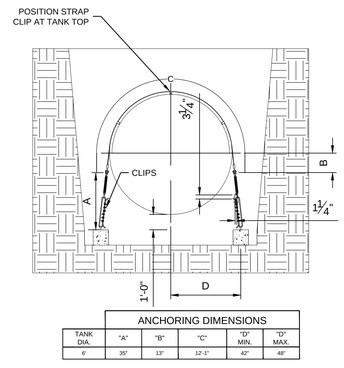
TOTAL TANK UPLIFT = 41,683 LBS + 4,805 LBS = 46,488 LBS

HOLD DOWN CALCULATION

1. TANK SLAB: .67' x 26' x 8' = 139.4 CU FT
   174.2 CU FT x 150 LBS/CF = 20,895 LBS
2. BACKFILL ABOVE TANK:
   4' x 6' x 26' = 624 CU FT - 77 CU FT (SUMP) = 547 CU FT
   547 CU FT x 110 LBS/CF = 60,170 LBS
3. CURVED BACKFILL ABOVE TANK:
   3.14 x 3² x 26' = 735 CU FT
   6' x 6' x 26' = 936 CU FT
   936 CU FT - 735 CU FT = 201 CU FT / 2 = 101 CU FT
   101 CU FT x 110 LBS/CF = 11,110 LBS
4. GRAVEL ABOVE DEADMEN:
   12" x 11' x 24' x 2 = 528 CU FT
   528 CU FT x 110 LBS/CF = 58,080 LBS
5. CONCRETE DEADMEN:
   1' x 1' x 24' = 24 CU FT
   24 CU FT x 150 LBS/CF x 2 = 3,600 LBS
6. DRY WEIGHT OF TANK: 3,000 LBS

TOTAL HOLD DOWN: 156,855 LBS = 3.4 F.S.

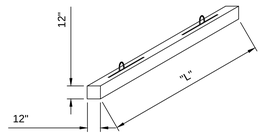
3 CU501 BOUYANCY CALCULATION
SCALE:N.T.S.

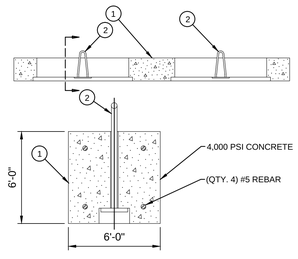


ANCHORING DIMENSIONS					
TANK DIA.	"A"	"B"	"C"	"D" MIN.	"D" MAX.
6'	35°	13"	12'-1"	42"	48"

4 CU501 STRAP TIE-DOWN
SCALE:N.T.S.

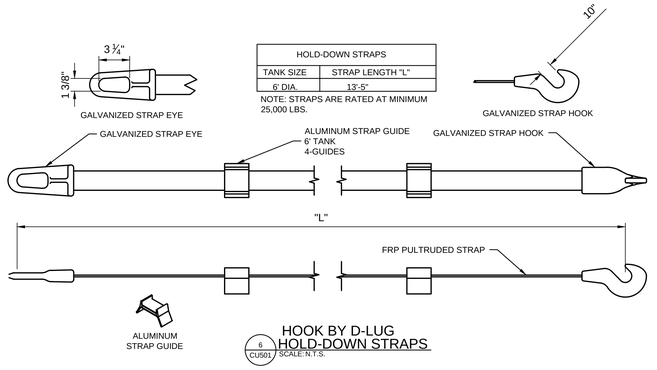
PRE-FAB DEADMAN			
TANK SIZE	QTY	"L"	APPROX. WEIGHT EACH
6'-5,000	4	12'	1,800 LBS





ITEM	QTY	UNIT	DESCRIPTION
1	4	EA	DEADMAN, 12"x12"x12'
2	8	EA	GALVANIZED ANCHOR POINT

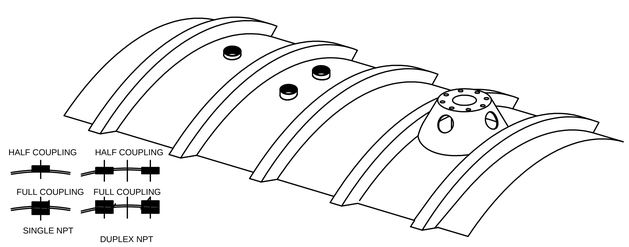
5 CU501 PRE-FABRICATED DEADMAN
SCALE:N.T.S.



HOLD-DOWN STRAPS	
TANK SIZE	STRAP LENGTH "L"
6' DIA.	13'-5"

NOTE: STRAPS ARE RATED AT MINIMUM 25,000 LBS.

6 CU501 HOOK BY D-LUG HOLD-DOWN STRAPS
SCALE:N.T.S.



FLANGED NOZZLE NOTES:
- ALL BOLTING PATTERNS CONFORM TO ANSI B16.5 150# STANDARD.
- ALL FLANGED NOZZLES ARE AXIALLY MOUNTED ON THE TANK TOP CENTERLINE.

FITTING NOTES:
- ALL NPT FITTINGS MUST BE POSITIONED ON THE TOP CENTERLINE OF THE TANK. - AVAILABLE IN 2", 4" AND 6" SIZES.

NOZZLE SIZES					
NOZZLE DIA	# OF BOLTS	CIRCLE DIA.	HOLE DIA.	FLANGE DIA.	PROJECT HGT.
2"	4	4 3/4"	3/4"	6"	6"
4"	8	7 1/2"	3/4"	9"	6"
6"	8	9 1/2"	7/8"	11"	6"
8"	8	11 3/4"	7/8"	13 1/2"	6"
10"	12	14 1/4"	1"	16"	6"
12"	12	17"	1"	19"	6"
14"	12	18 3/4"	1 1/8"	21"	6"

NON U.L.

7 CU501 COUPLING DETAILS
SCALE:N.T.S.

FINALIZED DESIGN DEVELOPMENT - FOR CONSTRUCTION

Revisions	Date
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

CONSULTANTS:

COLORADO REGISTERED JAMES P. MARINE 38484 08OCT13 PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

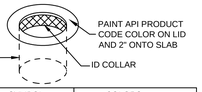
Aegis Engineering, Inc.
A Veteran Owned Small Business
10940 South Parker Road
Ste: 199
Parker, Colorado
80134
(720)259-0749

Drawing Title: UST DETAILS AND HOLD DOWN
Project Title: E85 FUELING STATION
Project Number: 666-310
Building Number: 42
Approved: Project Director: VAPAHCS PLANNING AND ENGINEERING
Location: SHERIDAN WY
Date: 10 OCT 13
Checked: MARINE
Drawn: KIRKMAN
Drawing Number: CU501
Dwg.3 of 9

Office of Construction and Facilities Management

VA FORM 08-6231

C:\SHARED\VISN 19\SHERIDAN FUELING STA\CANOPY\SHERIDAN TANK DETAILS.dwg 10-24-13 01:34:02 PM user



TEXT	SYMBOL	COLORS
MEDIUM HELVETICA FONTS		TEXT & SYMBOLS
PREMIUM UNLEADED GASOLINE		WHITE ON RED
MID-GRADE UNLEADED GASOLINE		WHITE ON BLUE
REGULAR UNLEADED GASOLINE		BLACK ON WHITE
AUTO DIESEL		BLACK ON YELLOW
VAPOR RECOVERY (1)	(1) (1)	WHITE ON ORANGE
OBSERVATION WELL (2)		BLACK ON WHITE FIELD

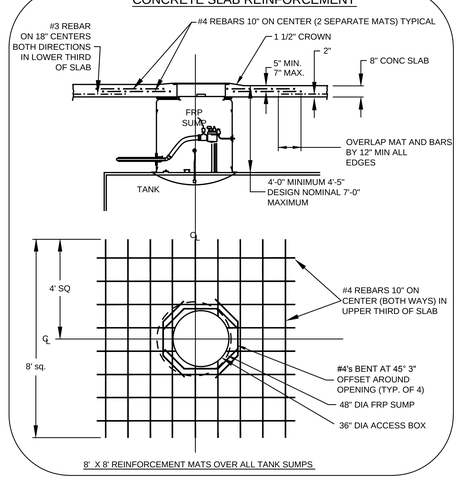
(1) COAXIAL: SUBSTITUTE PRODUCT COLOR & SYMBOL WITHIN WHITE CIRCLE. ALTERNATE VR AND PRODUCT TEXTS FOR MID-GRADE, BLACK CROSS AND CIRCLE WITH WHITE CIRCLE

(2) PAINT ACCESS BOX LID BLACK.

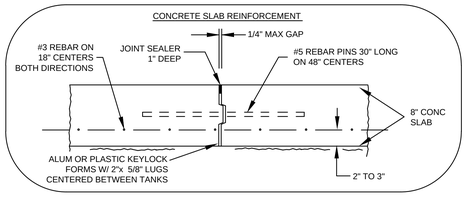
REF: API 1637 - PRODUCT SYMBOLOGY

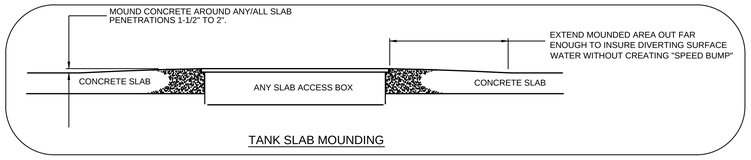
1 / CU502 PRODUCT SYMBOLOGY
SCALE:N.T.S.

CONCRETE SLAB REINFORCEMENT



8' X 8' REINFORCEMENT MATS OVER ALL TANK SUMPS.

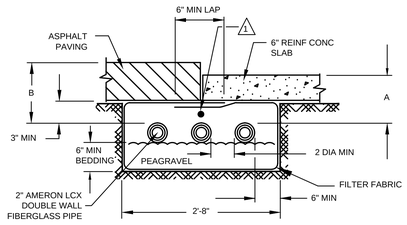




TANK SLAB MOUNDING

2 / CU502 CONCRETE SLAB DETAILS
SCALE:N.T.S.

DETAIL "A"



PIPE SIZE	AREA	MINIMUM UNDER CONCRETE (A)	MINIMUM UNDER ASPHALT (B)
2" UNCONTAINED	ISLANDS	12"	15"
3" UNCONTAINED	ISLANDS	13"	16"
2-4" CONTAINED	ISLANDS	14"	17"
ALL	YARD	18"	18"

PEAGRAVEL SPECIFICATION IS THE SAME AS FOR FIBERGLASS TANKS. THE MINIMUM 6" BEDDING MUST BE LAID & GRADED TO THE PROPER FALL BEFORE PIPE RUNS ARE INSTALLED.

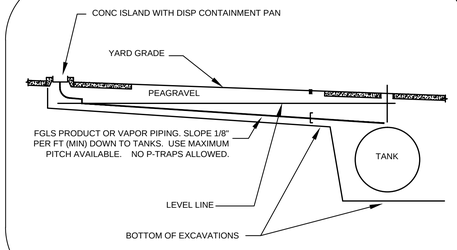
IF PEAGRAVEL IS NOT AVAILABLE, CLEAN MECHANICALLY COMPACTED SAND MAY BE USED. SAND BACKFILL OVER PIPING SHOULD BE MECHANICALLY COMPACTED IN LAYERS OF 12" OR LESS TAKING CARE NOT TO P-TRAP PIPING IN THE PROCESS. SEPARATED FROM PEAGRAVEL IN TANK AREA BY FILTER FABRIC.

WHERE SAND BACKFILL IS USED UNDER ASPHALT IN YARD AREA, BRIDGE TRENCH WITH 4" (MIN) UNREINFORCED CONCRETE PRIOR TO PAVING OVER WITH ASPHALT. CONCRETE MUST EXTEND AT LEAST 8" BEYOND EDGES OF TRENCH. ASPHALT PAVING OVER THIS CONCRETE BRIDGE MUST BE AT LEAST 1-1/2" THICK.

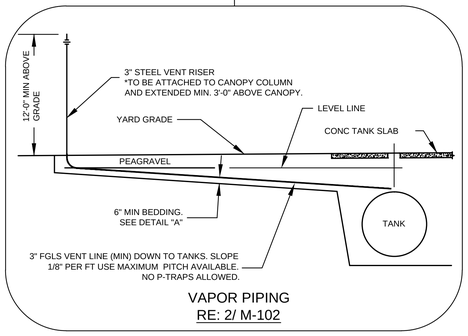
1 WHERE NO METALLIC CONDUIT EXISTS IN PIPE TRENCH, OPTIONAL TO ADD 12 GA BARE COPPER WIRE TERMINATED IN TURBINE SUMPS AND DISPENSER PANS/SUMPS. BY PLACING A SMALL D.C. CURRENT ON SAID WIRE, PIPING CAN BE TRACED WITH A METAL DETECTOR.

3 / CU502 UNDERGROUND PRODUCT PIPING
SCALE:N.T.S.

SEE 2/ M-101

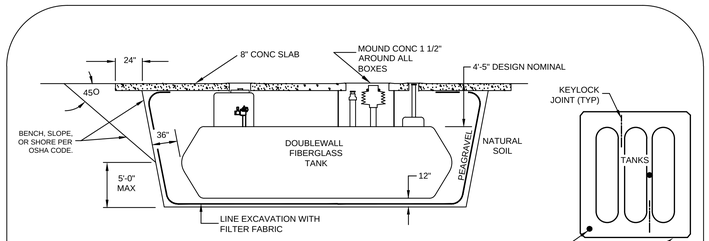


PRODUCT PIPING

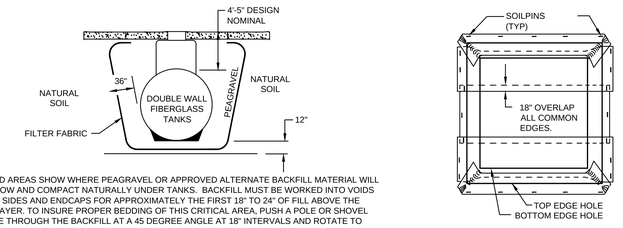


VAPOR PIPING
RE: 2/ M-102

4 / CU502 PRODUCT AND VAPOR VENTING
SCALE:N.T.S.



FILTER FABRIC TO BE DUPONT "TYPAR" SPUNBONDED POLYPROPYLENE STYLE 3401-4 OZ/SY OR EQUAL. ROLLS ARE AVAILABLE IN 15'-7" WIDTH AND 100, 300, OR 1000 YARD LENGTHS. INDIVIDUAL STRIPS MUST OVERLAP BY AT LEAST 18". FOR 3-12 THOUSAND GALLON TANKS, ESTIMATE 130 YARDS ARE REQUIRED. ALTERNATE MATERIALS INCLUDE PHILLIPS FIBERS CORPORATION "SUPAR" 4.1 OZ/SY, MONSANTO "BIDIM" C-22 4 OZ/SY.



SHADED AREAS SHOW WHERE PEAGRAVEL OR APPROVED ALTERNATE BACKFILL MATERIAL WILL NOT FLOW AND COMPACT NATURALLY UNDER TANKS. BACKFILL MUST BE WORKED INTO VOIDS UNDER SIDES AND ENDCAPS FOR APPROXIMATELY THE FIRST 18" TO 24" OF FILL ABOVE THE BASE LAYER. TO INSURE PROPER BEDDING OF THIS CRITICAL AREA, PUSH A POLE OR SHOVEL HANDLE THROUGH THE BACKFILL AT A 45 DEGREE ANGLE AT 18" INTERVALS AND ROTATE TO WORK THE MATERIAL DOWN INTO ALL VOIDS. FILTER FABRIC REQUIRED FOR LOOSE/FINE GROUND SOILS OR WHEREVER FLUCTUATING GROUND WATER IS POSSIBLE.

RECOMMENDED LAYOUT FOR FILTER FABRIC

5 / CU502 TANK BURIAL DETAILS
SCALE:N.T.S.

FINALIZED DESIGN DEVELOPMENT - FOR CONSTRUCTION

Revisions	Date
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

CONSULTANTS:

COLORADO REGISTERED JAMES T. MARINE 38484 08OCT13 PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

Aegis Engineering, Inc.
A Veteran Owned Small Business
10940 South Parker Road
Ste: 199
Parker, Colorado
80134
(720)259-0749

Drawing Title: UST DETAILS AND SLAB REINFORCING – –	Project Title: E85 FUELING STATION – –	Project Number: 666-310	Office of Construction and Facilities Management
Approved: Project Director – – VAPAHCS PLANNING AND ENGINEERING	Location: – SHERIDAN WY	Building Number: 42	
	Date: 10 OCT 13 / Checked: MARINE / Drawn: HALL	Drawing Number: CU502 Dwg. 4 of 9	

VA FORM 08-6231

C:\SHARED\VISN 19\SHERIDAN FUELING STAT\CANOPY\SHERIDAN TANK DETAILS.dwg 10-24-13 01:34:23 PM user

PANEL
42-1P1
(EXISTING)

MAINS: 200 AMPS — MAIN BREAKER: NONE
VOLT: 120/240 — MOUNTING: FLUSH
A/IC: 10,000 A.I.C. — OPTIONS: NONE

CKT	TYPE	LOAD VA	DESCRIPTION	P	CB	PHASING A	PHASING B	CB	P	DESCRIPTION	LOAD VA	TYPE	CKT
1			DOOR	1		-			1	BALCONY			2
3			DOOR	1			-		1	OFFICE			4
5			EQUIPMENT	1		-			1	OFFICE			6
7							-		1	HEATER			8
9						-			1	LOCKER/RM			10
11							-		1	EYE			12
13			EXISTING	1		-			1	EYE			14
15			EXISTING	1			-		1	AIR			16
17			EXISTING	1		-			1	FACP			18
19							-		1	EXISTING			20
21						-			1	PRESSURE WASH			22
23							-		1	PRESSURE WASH			24
25						-			2	EXISTING			26
27							-			-			28
29			EQUIPMENT WELDER	2		-							30
31							-						32
33	E	1000	DISPENSER	1	20	-			2	RANGE			34
35	E	1000	DISPENSER	1	20		-			-			36
37	E	360	CARD READER	1	20	-		20	1	CANOPY LTS	214	L	38
39	E	200	CONTROLS	1	20		-	20	2	PUMP	1580	M	40
41	E	600	TLR	1	20			*	*	*	*	*	42

PANEL PHASE A= 2964 VA (NEW LOADS ONLY)
TOTAL (VA) B= 1990 VA

LOAD TYPE	CONNECTED LOAD (VA)	DEMAND FACTOR	DEMAND LOAD (VA)
LIGHTING	214	1.25	268
REC < 10 KVA		1.00	
REC > 10 KVA		0.50	
LARGEST MOTORS	1580	1.25	1975
REMAINING MOTORS		1.00	
EQUIPMENT	3160	1.00	3160
HEATING		1.00	
KITCHEN			
TOTAL CONNECTED LOAD	4954 VA	DEMAND =	5403

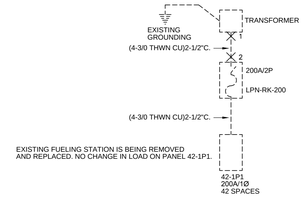
TOTAL PANEL FEEDER DEMAND AMPS = 23 A

PARTIAL ONE LINE DIAGRAM (NO NEW WORK)

NO SCALE

BEFORE PERFORMING ANY WORK E.C. TO VERIFY THE EXISTING CONDITIONS OF THE ELECTRICAL SERVICE. VERIFY EXISTING FAULT CURRENT CALCULATION AT XFMR IS A MAXIMUM OF 10,000 ISCA.

EXISTING WORK TO REMAIN



FAULT CURRENT TABLE

FAULT	CURRENT SOURCE, CONDUCTOR IMPEDANCE	AVALIABLE SYM. FAULT CURRENT
1.	FAULT AT XFMR	10,000 ISCA
2.	20' 3/0 CU	8,930 ISCA

EQUIPMENT SCHEDULE

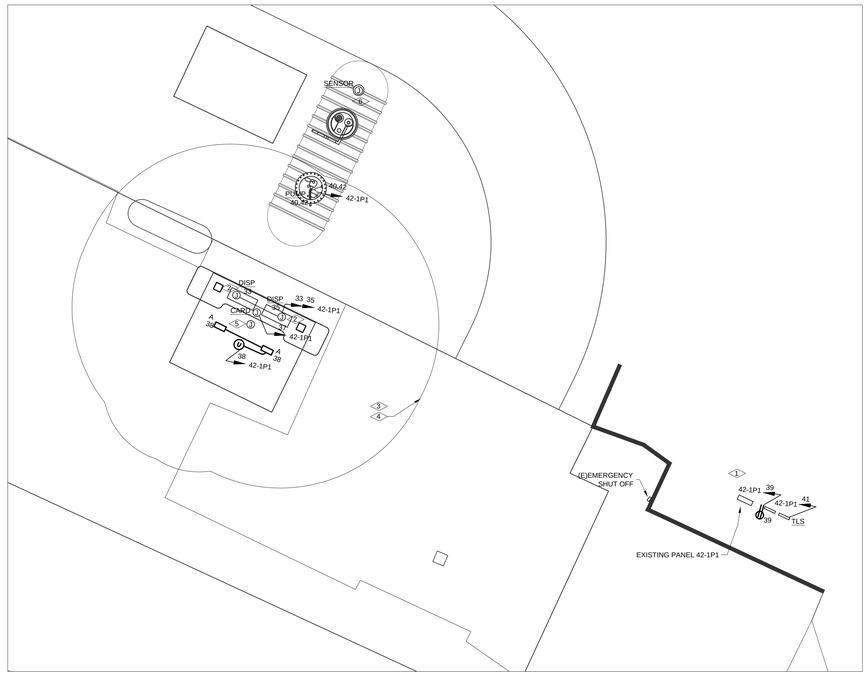
PLAN CODE	DESCRIPTION	VOLTS	PHASE	LOAD (WATTS)	WIRE SIZE	DISC. TYPE	DISC. SIZE	FUSE SIZE	FURN
DISP	DISPENSER	120	1	1000	(2-#12 THWN CU, #12G)1/2"C.	FSW			MANU
PUMP	FUEL PUMP	208	1	1580	(2-#12 THWN CU, #12G)1/2"C.	FSW			MANU
CARD	CARD READER	120	1	360	(2-#12 THWN CU, #12G)1/2"C.	FSW			MANU

FSW = FUSED SAFETY SWITCH; CB = CIRCUIT BREAKER; RECP = RECEPTACLE; SW = SWITCH/OCCUPANCY SENSOR;
E.C. TO VERIFY THE NAMEPLATE DATA ON THE ACTUAL EQUIPMENT PROVIDED BEFORE DOING ANY WORK.

LIGHTING FIXTURE SCHEDULE

PLAN CODE	DESCRIPTION	VOLTS	MANUFACTURE	CATALOG #	LAMP TYPE	TOTAL WATTS
A	CANOPY LIGHT	MVOLT	LITHONIA	DSXSC-LED30C-1000-50K-TSEMVOLT	LED	107

E.C. TO VERIFY FIXTURE TYPES, SWITCHING, AND LOCATIONS WITH ARCHITECT.
FIXTURES F3, F3-EM, HB, HB-EM TO HAVE MULTIPLE BALLASTS FOR INBOARD/OUTBOARD SWITCHING.
CIVIL ENGINEER IS DESIGNING POLE BASES FOR 100 MPH.



ELECTRICAL PLAN

1 / E101

SCALE: 1/8"=1'-0"

N

SHEET NOTES

1. SEALS REQUIRED AT ALL CONDUITS LEAVING PANEL(NEC 514).
2. SEALS REQUIRED AT ALL GAS PIPE DESPENSORS(NEC 514).
3. SEALS REQUIRED AT CONDUITS LEAVING CLASS I HAZARDOUS LOCATION(NEC 514). E.C. TO USE EQUIPMENT AND WIRING RATED FOR CLASS 1 LOCATIONS.
4. CLASS I HAZARDOUS LOCATION. E.C. TO USE EQUIPMENT AND WIRING METHODS RATED FOR CLASS I LOCATIONS. THREADED RIGID METAL CONDUIT OR THREADED STEEL INTERMEDIATE METAL CONDUIT.
5. LOCATION OF SECURITY EQUIPMENT. E.C. TO PROVIDE 3/4"C AND PULLSTRING BACK TO COMM. ROOM. VERIFY EXACT LOCATION OF EQUIPMENT WITH I.T.
6. E.C. TO PROVIDE 3/4"C. AND PULLSTRING BACK TO TLS.

LIGHT FIXTURE LEGEND

- WALL MOUNTED FIXTURE
- SOFFIT MOUNTED
- LINEAR INDIRECT
- 2' x 2' LAYIN
- 2' x 2' LAYIN W/ EM. BALLAST.
- SURFACE WRAP
- TRACK
- FLOUR. HIGH BAY
- FLOUR. HIGH BAYW/ EM.
- STRIP LIGHT
- STRIP LIGHT W/ EM. BALLAST
- WALL MOUNTED ROADWAY LIGHT
- EMERGENCY EXIT SIGN
- EMERGENCY "FROG EYES"

ELECTRICAL DEVICE LEGEND

- S - WALL SWITCH
- S_{DM} - DIMMER SWITCH
- WALL MOUNTED DUPLEX RECEPTACLE
- WALL MOUNTED DOUBLEDUPLEX RECEPTACLE
- CEILING MOUNTED RECEPTACLE
- FLOOR MOUNTED DUPLEX RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE
- PANEL
- HOMERUN. PANEL AND CIRCUIT DESIGNATION.
- NEW CONDUIT.
- EXISTING CONDUIT.
- UGE — UNDERGROUND ELECTRICAL CONDUIT.
- SMALLER - NONSWITCHED PHASE CONDUCTOR LONGER - GROUNDED CONDUCTOR (NEUTRAL)
- FUSED SWITCH
- NONFUSED SWITCH
- COMBINATION FUSED SWITCH/MOTOR STARTER
- MOTOR STARTER
- M - MOTOR
- TC - TIME CLOCK.
- PE - PHOTOELECTRIC CELL
- J - JUNCTION BOX.
- U - DUAL TECNOLOGY OCCUPANCY SENSOR
- DL - DAY LIGHTING SENSOR

ELECTRICAL ONE LINE LEGEND

- SINGLE PHASE WEATHERHEAD
- THREE PHASE WEATHERHEAD
- ELECTRICAL METER
- C.T. AND ELECTRICAL METER
- GROUND
- FAULT
- ELECTRICAL PANEL
- ELECTRICAL PANEL W/ MAIN CIRCUIT BREAKER
- CIRCUIT BREAKER
- FUSED SWITCH
- NONFUSED SWITCH

CONTRACTOR COORDINATION SCHEDULE

ITEM FURNISHED	FURNISHED BY	MOUNTED BY	WIRED BY
LOCATING EXISTING EXTERIOR UTILITIES	G.C.	-	-
LOCATING EXISTING INTERIOR UTILITIES	P.C./E.C.	-	-
CONCRETE EQUIPMENT PADS	G.C.	G.C./S.C./M.C.	-
EXCAVATION, BACKFILL AND CONCRETE OR ASPHALT PAVING FOR UTILITIES OR OTHER M/E EQUIPMENT.	G.C.	AHJ/G.C./C.C.	-
FLASHING OVER THE TOP OF PLATFORMS AND CURBS	G.C.	G.C./R.C.	-
ROOFING REPAIR AND/OR SEALING OF ROOFING SYSTEM	G.C.	G.C./R.C.	-
MOTOR STARTERS AND COMBINATION MOTOR STARTERS TO INCLUDE THERMAL OVERLOADS.	M.C./P.C.	E.C.	E.C.
STARTERS IN MOTOR CONTROL CENTERS	M.C.	E.C.	E.C.
MULTISPEED SWITCHES.	M.C.	M.C.	E.C.
DISCONNECT SWITCHES.	E.C.	E.C.	E.C.
CONDUIT FOR ALL WIRING.	E.C.	E.C.	-
CONTROL TRANSFORMERS FOR HVAC EQUIPMENT	M.C.	M.C.	E.C.
HVAC CONTROL WIRING 48 VOLTS AND LESS.	T.C./M.C.	T.C./M.C.	T.C./M.C.
WIRING GREATER THAN 120 VOLTS.	E.C.	E.C.	E.C.
INTERLOCK	M.C./E.C.	E.C.	E.C.
NON-LOAD VOLTAGE CONTROL SYSTEMS	M.C.	M.C.	M.C.
DUCT AND SMOKE DETECTORS INTERFACED WITH BUILDING FIRE ALARM SYSTEM.	F.A.C/E.C.	M.C.	F.A.C/E.C.
FIRE PROTECTION CONTROLS INCLUDING FLOW SWITCHES	M.C.	M.C.	MC./E.C.

FINALIZED DESIGN DEVELOPMENT - FOR CONSTRUCTION

Revisions:	Date
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

CONSULTANTS:

COLORADO REGISTERED DENVER, COLORADO MARINE 38484 08OCT13 PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

Aegis Engineering, Inc.
A Veteran Owned Small Business
10940 South Parker Road
Ste: 199
Parker, Colorado
80134
(720)259-0749

Drawing Title: ELECTRICAL PLAN AND NOTES
Approved: Project Director: VAPAHCS PLANNING AND ENGINEERING
Project Title: E85 FUELING STATION
Location: VAMC SHERIDAN WY
Date: 10 OCT 13
Checked: MARINE
Drawn: KIRKMAN
Project Number: 666-310
Building Number: 42
Drawing Number: E101
Dwg 5 of 9

Office of Construction and Facilities Management

C:\SHARED\VISN 19\SHERIDAN FUELING STA\MEP\SHERIDAN E101.dwg 10-24-13 01:39:38 PM user

VA FORM 08-6231

NOTES:

ELECTRONIC MONITORING SYSTEMS (PER "APPROVED MATERIALS LIST") PROVIDES ADVANCED AUTOMATIC CONTROL OF UNDERGROUND TANK AND PIPING INSTALLATIONS. EACH MONITORING SYSTEM CAN BE CONFIGURED TO PROVIDE SIMULTANEOUS REAL TIME SURVEILLANCE OF SEVERAL DIFFERENT INSTALLATION PARAMETERS WITH AUTOMATIC ALARM NOTIFICATION AND AUTOMATIC SHUTDOWN OF SELECTED COMPONENTS IN THE ADVENT OF DEVIATIONS FROM INTENDED OPERATIONS. SENSOR DESCRIPTIONS AND CLASSIFICATIONS ARE NOTED BELOW.

S1 CONTINUOUS MONITORING OF PRESSURIZED PRODUCT PIPING TO TEST, ALARM, AND SHUT DOWN TURBINE IF LEAK OCCURS. SENSOR IS MANDATORY.

S2 CONTINUOUS MONITORING OF SECONDARY CONTAINMENT PIPING AND TURBINE SUMP FOR INTRUSION OF ANY LIQUID. SENSOR IS TO BE INSTALLED SUCH THAT ANY ALARM WILL SHUT DOWN TURBINE IF FUEL IS DETECTED.SENSOR IS MANDATORY

S3 CONTINUOUS SIMULTANEOUS MONITORING OF TANK INNER AND OUTER WALLS BY HYDROSTATIC MEANS. IF INTERSTITIAL LIQUID (WATER OR SALT BRINE) LEVEL GOES UP OR DOWN BEYOND LIMITS, SENSOR WILL ALARM BUT SHUT NOTHING DOWN AS SUCH ACTION WILL NOT ARREST THE PROBLEM. HOWEVER, INTERSTITIAL LIQUID WILL NOT PERMIT PRODUCT TO ESCAPE DUE TO HIGHER LIQUID DENSITY AND HIGHER HYDROSTATIC HEAD REGARDLESS OF INVENTORY LEVEL. SENSOR IS MANDATORY FOR SUCH TANKS.

S4 CONTINUOUS MONITORING OF TANK RISER INTERSTIL IF RISERS ARE CONTAINED. SENSOR WILL AUTOMATICALLY ALARM IF ANY LIQUID INTRUDES INTO INTERSTIL BUT WILL SHUT NOTHING DOWN AS SUCH WILL NOT ARREST THE PROBLEM. SENSOR IS OPTIONAL. HOWEVER, IF RISERS ARE CONTAINED, SENSOR CONDUITS MUST ALSO BE INSTALLED FOR POSSIBLE FUTURE USE. SINCE CONDUITS ARE PART OF SAID CONTAINMENT, SAID CONDUITS MUST PASS BOTH N.E.C. CONTINUITY TEST AND PRESSURIZED LEAK TEST.

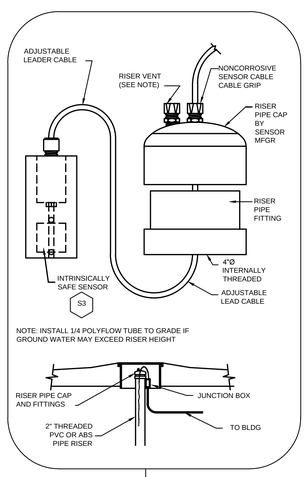
IF THESE RISERS ARE CONTAINED IN A SUMP, SUBSTITUTE AN S2 TYPE SENSOR AND WIRE IT TO ALARM, THIS WILL SHUT DOWN NOTHING.

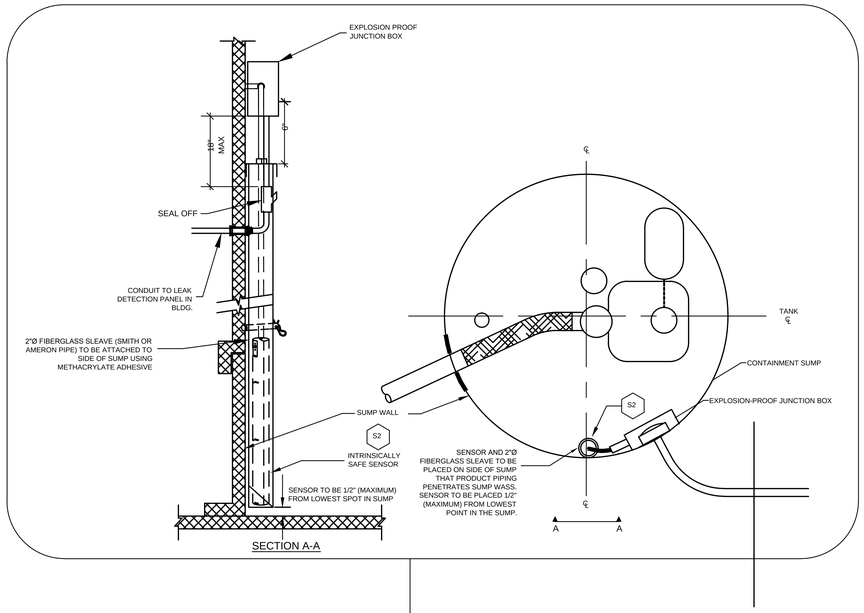
S5 CONTINUOUS PRODUCT INVENTORY LEVEL MONITORING. CAN BE PROGRAMMED TO PROVIDE LOW INVENTORY LEVEL WARNING, HIGH INVENTORY LEVEL ALARM, WATER WARNING, AND AUTOMATIC TANK LEAK TEST TO .01 GPH ACCURACY PER USEPA PROTOCOL. SENSOR IS OPTIONAL BUT CONDUITS FOR SENSOR MUST BE INSTALLED AND MUST PASS BOTH AN N.E.C. CONTINUITY TEST AND A PRESSURIZED LEAK TEST.

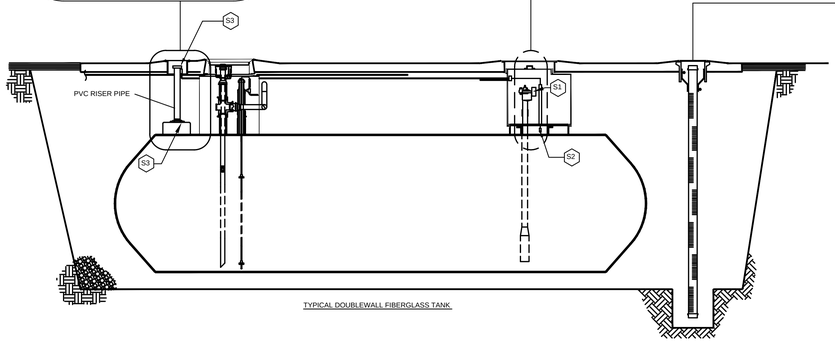
S6 CONTINUOUS MONITORING OF DISPENSER SECONDARY CONTAINMENT SPACE FOR INTRUSION BY ANY LIQUID. SENSOR WILL AUTOMATICALLY ALARM AND SHUT DOWN OFFENDING DISPENSER (NO ELECTRICAL POWER TO SAID DISPENSER) SHOULD ANY FUEL BE DETECTED. SENSOR IS MANDATORY.

ADDITIONAL SENSORS CAN BE UTILIZED, BUT MUST FIRST BE APPROVED BY THE CONTRACTING OFFICER'S REPRESENTATIVE.

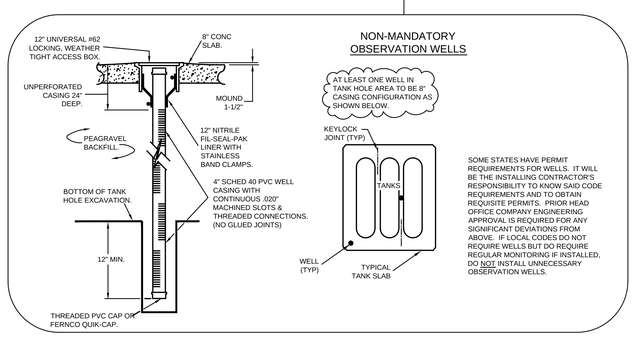
NOTE FOR ELECTRICIANS: ALL SENSITIVE CIRCUITS (SENSORS, DATA, ETC) SHALL BE ROUTED IN METALLIC CONDUIT AROUND (NOT THROUGH) WIRE TROUGH IN BUILDINGS. FAILURE TO COMPLY MAY CAUSE SYSTEMS TO PICK UP INDUCTIVE NOISE THAT DISRUPTS INTENDED OPERATION OF SENSITIVE DEVICES.





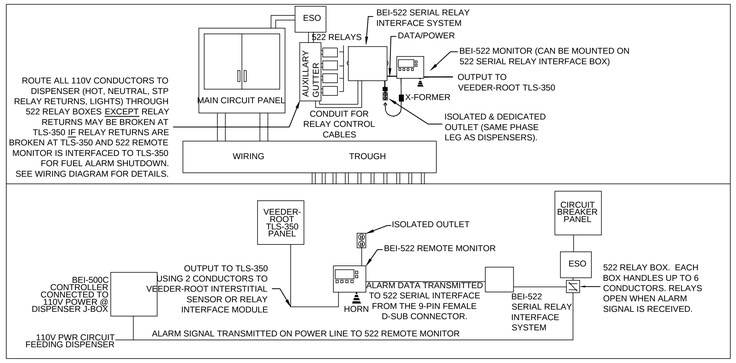


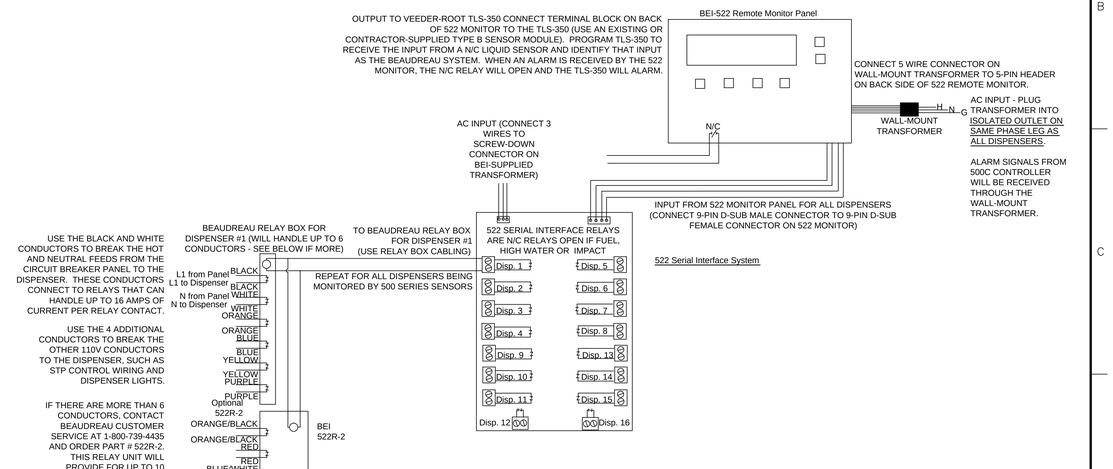
TYPICAL DOUBLEWALL FIBERGLASS TANK



1 E101 ELECTRONIC SENSOR DETAILS
SCALE:N.T.S.

BEAUDREAU CONNECTIONS TO VEEDER-ROOT
WITHOUT ANY W.A. BROWN POWER SYSTEM





2 E101 BEAUDREAU INTERFACE TO VEEDER-ROOT
SCALE:N.T.S.

FINALIZED DESIGN DEVELOPMENT - FOR CONSTRUCTION

Revisions	Date
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

CONSULTANTS:

COLORADO REGISTERED JAMES P. MARINE 38484 08OCT13 PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

Aegis Engineering, Inc.
A Veteran Owned Small Business
10940 South Parker Road
Ste: 199
Parker, Colorado
80134
(720)259-0749

Drawing Title	VEEDER ROOT OVERFILL ALARM
Project Title	E85 FUELING STATION
Project Number	666-310
Building Number	42
Drawing Number	E102
Approved: Project Director	VAPAHCS PLANNING AND ENGINEERING
Location	SHERIDAN WY
Date	10 OCT 13
Checked	MARINE
Drawn	KIRKMAN
Dwg. 6 of 9	

Office of Construction and Facilities Management

VA FORM 08-6231

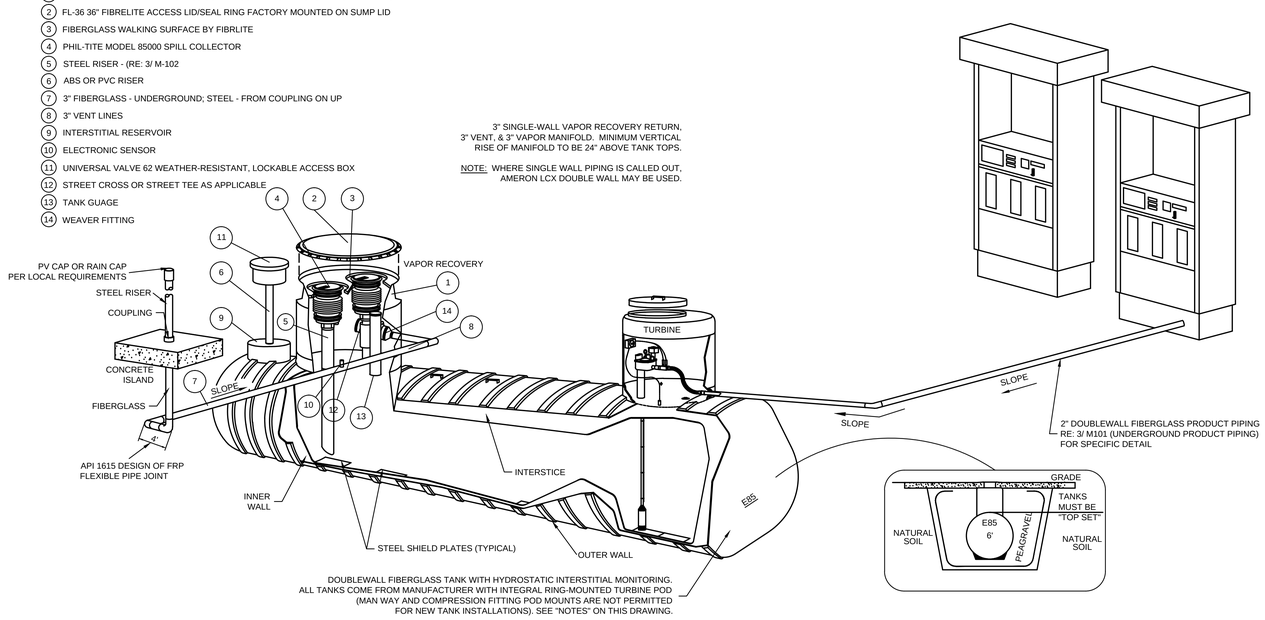
C:\SHARED\VISN 19\SHERIDAN FUELING STA\CONCPY\SHERIDAN TANK DETAILS.dwg 10-24-13 01:34:55 PM user

LEGEND

1. 48" FIBRELITE ELITE FIBERGLASS SUMP MOUNTED ON FACTORY BONDED RING
2. FL-36 36" FIBRELITE ACCESS LID/SEAL RING FACTORY MOUNTED ON SUMP LID
3. FIBERGLASS WALKING SURFACE BY FIBRLITE
4. PHIL-TITE MODEL 85000 SPILL COLLECTOR
5. STEEL RISER - (RE: 3/ M-102
6. ABS OR PVC RISER
7. 3" FIBERGLASS - UNDERGROUND; STEEL - FROM COUPLING ON UP
8. 3" VENT LINES
9. INTERSTITIAL RESERVOIR
10. ELECTRONIC SENSOR
11. UNIVERSAL VALVE 62 WEATHER-RESISTANT, LOCKABLE ACCESS BOX
12. STREET CROSS OR STREET TEE AS APPLICABLE
13. TANK GUAGE
14. WEAVER FITTING

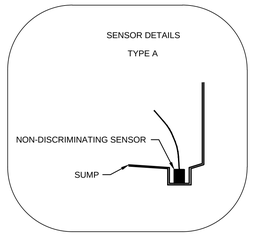
3" SINGLE-WALL VAPOR RECOVERY RETURN, 3" VENT, & 3" VAPOR MANIFOLD. MINIMUM VERTICAL RISE OF MANIFOLD TO BE 24" ABOVE TANK TOPS.

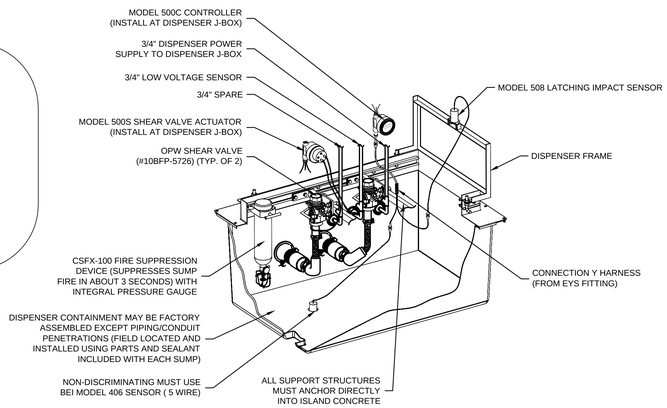
NOTE: WHERE SINGLE WALL PIPING IS CALLED OUT, AMERON LCX DOUBLE WALL MAY BE USED.



1 M101 ISLAND AND TANK ARRANGEMENT
SCALE:N.T.S.

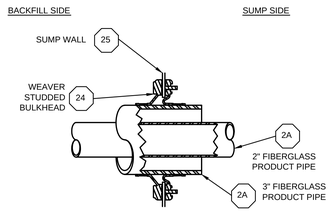
DETAIL "A" DISPENSER CONTAINMENT
PRODUCT TERMINATION

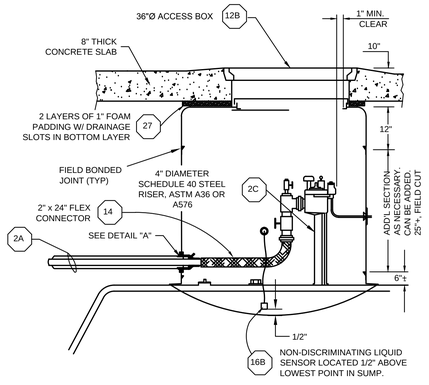




2 M101 DISPENSER CONTAINMENT DETAILS
SCALE:N.T.S.

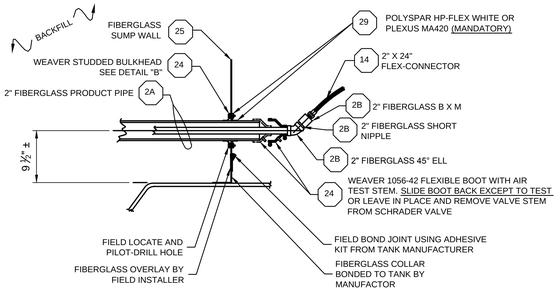
DETAIL "B" RIGID PIPING



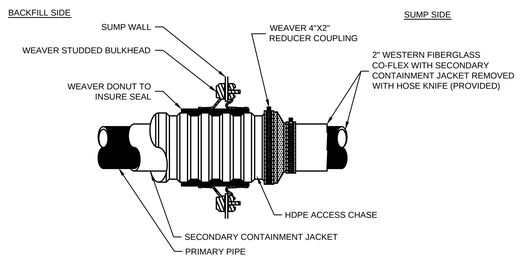


SEE DETAIL "A" AND "B" - FOR RIGID "C" AND "D" - FOR FLEX

DETAIL "A" RIGID PIPING



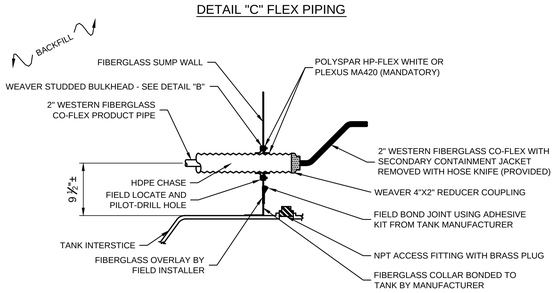
DETAIL "D" FLEX PIPING

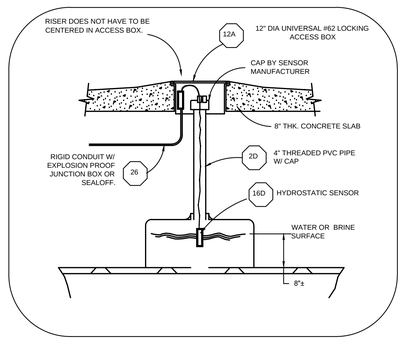


- ALL PENETRATION FITTINGS TO BE INSTALLED WET

3 M101 PIPING AND CONNECTION DETAILS
SCALE:N.T.S.

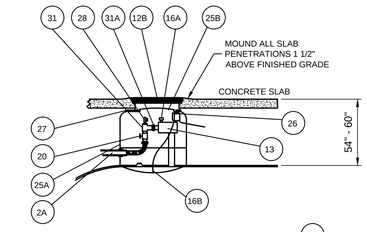
DETAIL "C" FLEX PIPING

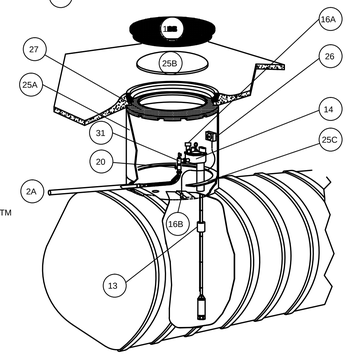




4 M101 HYDROSTATIC MONITORING DETAILS
SCALE:N.T.S.

2A 2"/3" DOUBLE-WALLED FIBERGLASS PRODUCT LINE
12B FL-36 36" FIBRELITE LID
13 TURBINE
14 FE PETRO VL Z LENGTH ADJUSTMENT DEVICE
16A ELECTRONIC LINE LEAK DETECTOR
16B ELECTRONIC LIQUID SENSOR, 1/2" MAXIMUM DISTANCE FROM LOWEST PART OF SUMP
20 2" JOMAR T-100, FULL PORT BALL VALVE
25A 48" SEALED FIBERGLASS SUMP BONDED TO TANK
25B SUMP CAP
25C BONDED FLANGE - NO BOLTS
26 EYS SEALOFF, X-PROOF J-BOX, AND CONDUIT
27 2 LAYERS OF 1" FOAM PADDING WITH DRAINAGE SLOTS IN BOTTOM LAYER
28 1/2 BRASS BALL VALVE WITH 1/2" BRASS OR STEEL PLUG
31 2" STEEL TEE WITH 2"x1/2" STEEL REDUCING BUSHING, ASTM A36 OR A576, SCHEDULE 40.
31A 2" 150# STEEL UNION WITH BRASS SEATS





1 VAPOR RECOVERY (NEITHER STAGE I NOR STAGE II) REQUIRED FOR DIESEL.

5 M101 TURBINE SUMP DETAILS
SCALE:N.T.S.

FINALIZED DESIGN DEVELOPMENT - FOR CONSTRUCTION

Revisions:	Date
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

CONSULTANTS:

COLORADO REGISTERED JAMES F. MARTIN 38484 08OCT13 PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

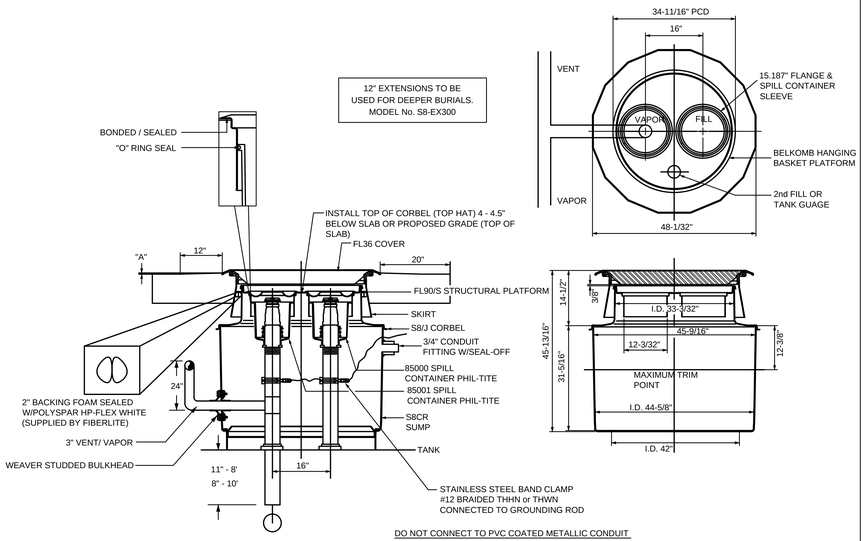
Aegis Engineering, Inc.
A Veteran Owned Small Business
10940 South Parker Road
Ste: 199
Parker, Colorado
80134
(720)259-0749

Drawing Title: UST DETAILS AND DESIGN
Project Title: E85 FUELING STATION
Project Number: 666-310
Building Number: 42
Approved: Project Director: VAPAHCS PLANNING AND ENGINEERING
Location: SHERIDAN WY
Drawing Number: M101
Date: 10 OCT 13
Checked: MARINE
Drawn: KIRKMAN
Dwg. 7 of 9

Office of Construction and Facilities Management

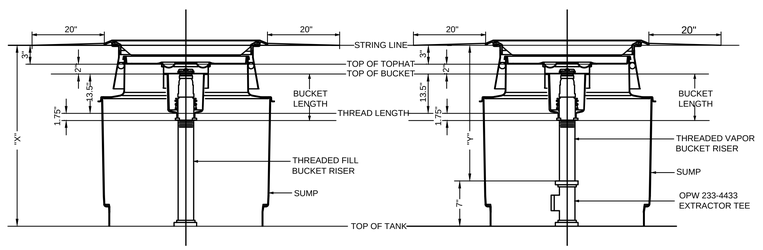
VA FORM 08-6231

C:\SHARED\VISN 19\SHERIDAN FUELING STAT\CANOPY\SHERIDAN TANK DETAILS.dwg 10-24-13 01:35:24 PM user



- SUMP SENSORS TO BE INSTALLED. RE: 1/ E-101

1 / M102 FILL SUMP DETAILS
SCALE:N.T.S.



FILL RISER CALCULATION

"X" DISTANCE FROM STRING LINE TO TANK - 3" STRING LINE TO TOP OF TOPHAT - 2" TOP OF TOPHAT TO TOP OF BUCKET - 13.5" LENGTH OF PHIL-TITE SPILL BUCKET + 1.75" THREAD ALLOWANCE = LENGTH OF THREADED RISER FOR FILL BUCKET

OR

"X" - 16.75" = LENGTH OF THREADED RISER FOR FILL BUCKET

VAPOR RISER CALCULATION

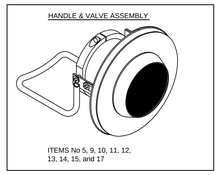
"Y" DISTANCE FROM STRING LINE TO TANK - 3" STRING LINE TO TOP OF TOPHAT - 2" TOP OF TOPHAT TO TOP OF BUCKET - 13.5" LENGTH OF PHIL-TITE SPILL BUCKET + 7" LENGTH OF OPW 223 EXTRACTOR TEE + 1.75" THREAD ALLOWANCE = LENGTH OF THREADED RISER FOR VAPOR BUCKET

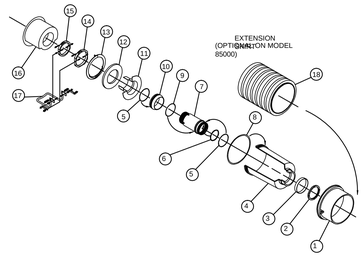
OR

"Y" - 23.75" = LENGTH OF THREADED RISER FOR VAPOR BUCKET

3 / M102 RISER CALCULATIONS
SCALE:N.T.S.

MODEL 85000-MS
(BY PHIL-TITE)





ITEM	PART No.	DESCRIPTION	REQ'D
1	85010	SLEEVE	1
2	85019	FLANGE NUT	1
3	85018	COMPRESSION RING	1
4	85065	BUCKET	1
5	85035	RISER TUBE O-RING (OUTER) & SHUT OFF COLLAR O-RING (UPPER)	2
6	85039	RISER TUBE O-RING (INNER)	1
7	85020	RISER TUBE	1
8	85036-N	BUCKET O-RING	1
9	85038-1	SHUT OFF COLLAR O-RING (LOWER)	1
10	85021	SHUT OFF COLLAR	1
11	85032	BELLOW & SCREEN	1
12	UF8005	FOAM FILTER	1
13	85031	BELLOW & SCREEN RETAINING RING	1
14	85050	CLAMP (LOWER)	1
15	85040	CLAMP (UPPER)	1
16	PP-1005-TB	BUCKET INSERT	1
17	85023	BAIL HANDLE	1
18	85029	EXTENSION SKIRT (OPTIONAL)	1

2 / M102 SPILL COLLECTOR ASSEMBLY
SCALE:N.T.S.

FINALIZED DESIGN DEVELOPMENT - FOR CONSTRUCTION

Revisions	Date
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

CONSULTANTS:

COLORADO REGISTERED JAMES F. MARINE 38484 08OCT13 PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

Aegis Engineering, Inc.
A Veteran Owned Small Business
10940 South Parker Road
Ste: 199
Parker, Colorado
80134
(720)259-0749

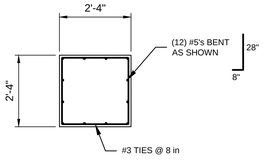
Drawing Title: UST DETAILS AND DESIGN
Approved: Project Director: VAPAHCS PLANNING AND ENGINEERING
Project Title: E85 FUELING STATION
Location: SHERIDAN WY
Date: 10 OCT 13
Checked: MARINE
Drawn: KIRKMAN
Project Number: 666-310
Building Number: 42
Drawing Number: M102
Dwg.8 of 9

Office of Construction and Facilities Management

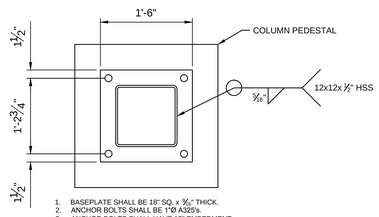
VA FORM 08-6231

C:\SHARED\VISN 19\SHERIDAN FUELING STA\CANOPY\SHERIDAN TANK DETAILS.dwg 10-24-13 01:35:52 PM user

three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one inch = one foot
one and one half inches = one foot
three inches = one foot

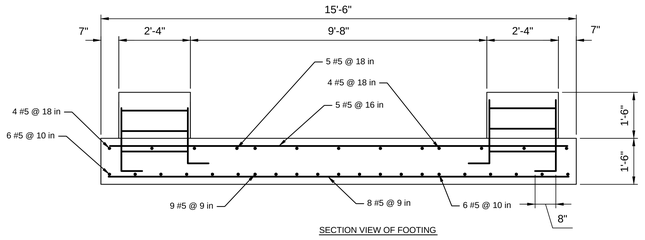


COLUMN PEDESTAL

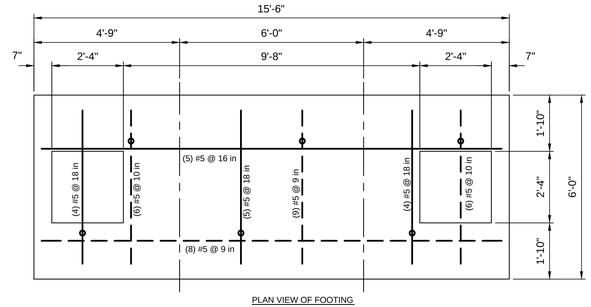


1. BASEPLATE SHALL BE 18" SQ. x ⅜" THICK.
2. ANCHOR BOLTS SHALL BE 1"Ø A325's.
3. ANCHOR BOLTS SHALL HAVE 12" EMBEDMENT INTO CONCRETE.

2 / SF101 COLUMN BASEPLATE
SCALE: 1" = 1'-0"

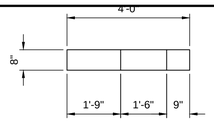


SECTION VIEW OF FOOTING

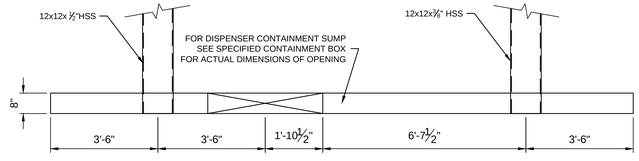


PLAN VIEW OF FOOTING

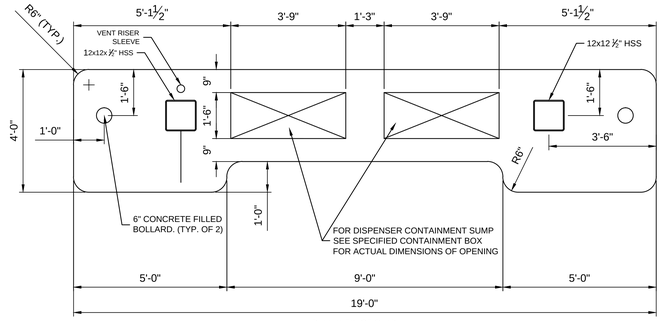
1 / SF101 CANOPY FOUNDATION
SCALE: 1/2" = 1'-0"



SECTION VIEW OF SLAB

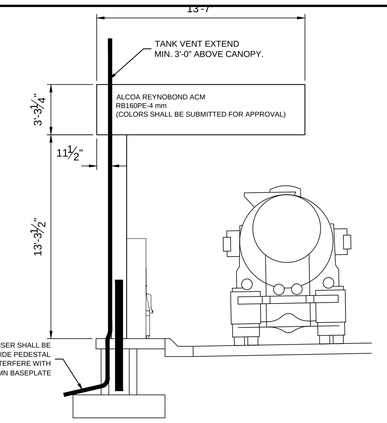


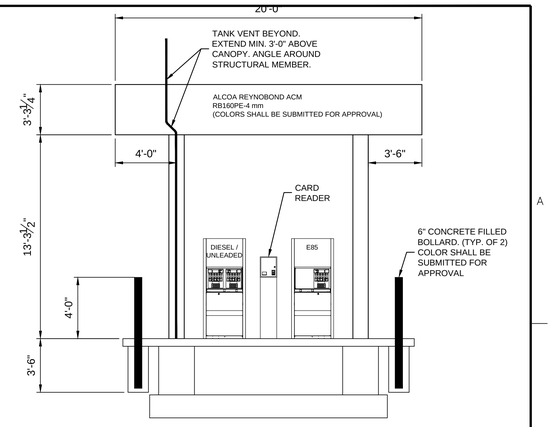
ELEVATION VIEW OF SLAB



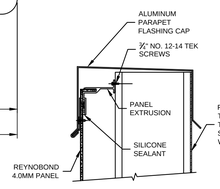
PLAN VIEW OF SLAB

3 / SF101 FUELING ISLAND SLAB
SCALE: 1/2" = 1'-0"

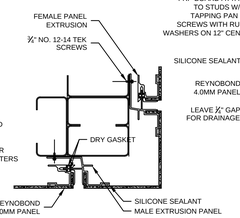




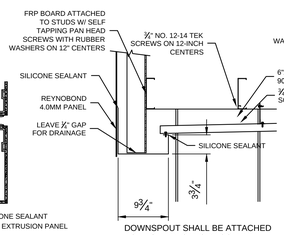
1 / SF101 FUELING ISLAND ELEVATIONS
SCALE: 1/4" = 1'-0"



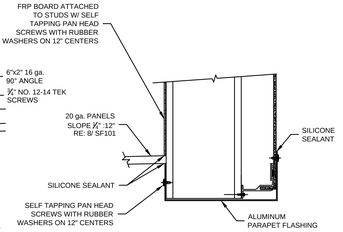
1 PARAPET TOP



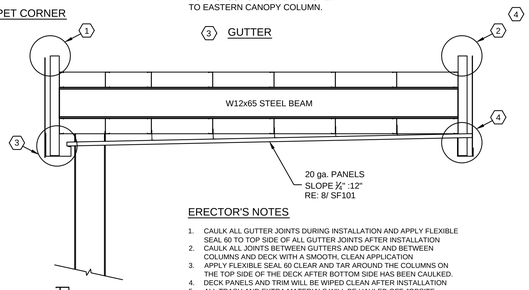
2 PARAPET CORNER



3 GUTTER



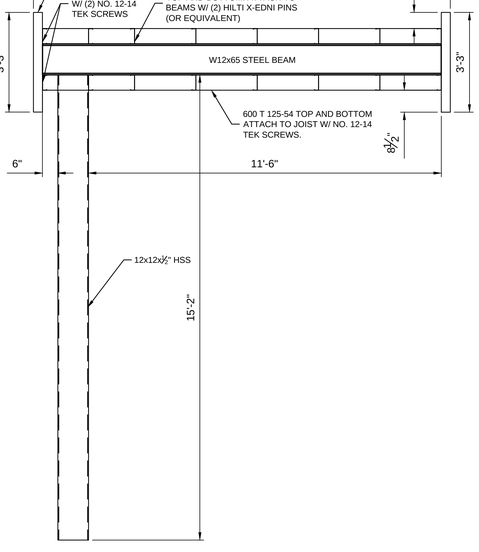
4 SOFFIT

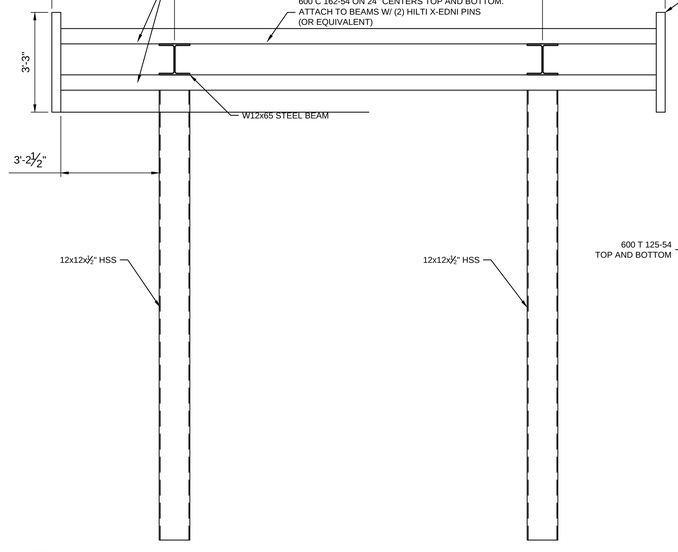


ERECTOR'S NOTES

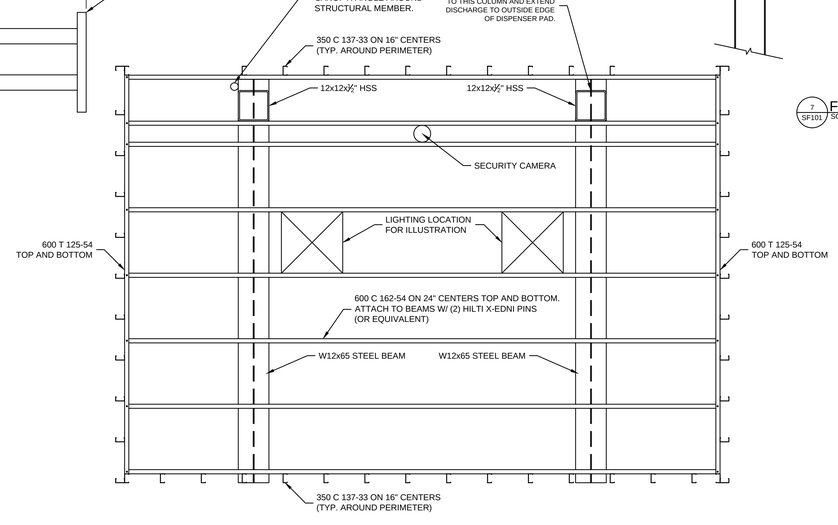
1. CAULK ALL GUTTER JOINTS DURING INSTALLATION AND APPLY FLEXIBLE SEAL 60 TO TOP SIDE OF ALL GUTTER JOINTS AFTER INSTALLATION
2. CAULK ALL JOINTS BETWEEN GUTTERS AND DECK AND BETWEEN COLUMNS AND DECK WITH A SMOOTH, CLEAN APPLICATION.
3. APPLY FLEXIBLE SEAL 60 CLEAR AND TAR AROUND THE COLUMNS ON THE TOP SIDE OF THE DECK AFTER BOTTOM SIDE HAS BEEN CAULKED.
4. DECK PANELS AND TRIM WILL BE WIPED CLEAN AFTER INSTALLATION
5. ALL TRASH AND EXTRA MATERIALS WILL BE HAULED OFF JOBSITE
6. CHECK WITH GENERAL CONTRACTOR FOR DRAIN ORIENTATION

7 / SF101 FUELING ISLAND FINISH DETAILS
SCALE: N.T.S.

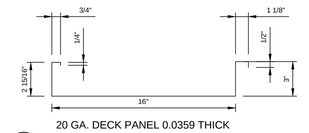




4 / SF101 CANOPY FRAMING
SCALE: 1/2" = 1'-0"

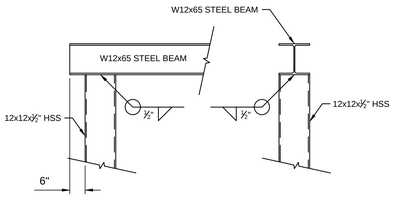


5 / SF101 CANOPY ROOF FRAMING
SCALE: 1/2" = 1'-0"



20 GA. DECK PANEL 0.0359 THICK

8 / SF101 CANOPY UNDERSIDE DECK PANELS
SCALE: N.T.S.



9 / SF101 BEAM TO COLUMN CONNECTION
SCALE: 1/2" = 1'-0"

FINALIZED DESIGN DEVELOPMENT - FOR CONSTRUCTION

Revisions:	Date
–	–
–	–
–	–
–	–
–	–
–	–
–	–
–	–
–	–
–	–

CONSULTANTS:

COLORADO REGISTERED JAMES P. MARINE 38484 PROFESSIONAL ENGINEER 08OCT13

ARCHITECT/ENGINEERS:

Aegis Engineering, Inc.
A Veteran Owned Small Business
10940 South Parker Road
Ste: 199
Parker, Colorado
80134
(720)259-0749

Drawing Title: CANOPY FRAMING – –	Project Title: E85 FUELING STATION – –	Project Number: 666-310	Office of Construction and Facilities Management
		Building Number: 42	
Approved: Project Director: – – VAPAHCS PLANNING AND ENGINEERING	Location: – SHERIDAN WY	Drawing Number: SF101	
	Date: 10 OCT 13 / Checked: MARINE / Drawn: MARINE	Dwg. 9 of 9	

VA FORM 08-6231